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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket No.	488-00060	Total Pages	47
(Only for new nonprovisional applications under 37 CFR 1.53(b))		First Named Inventor or Application Identifier			
		Yuji Takagi			
		Express Mail Label No.	EV342893470US		
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents		ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231			
1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)		6. <input type="checkbox"/> Microfiche Computer Program (Appendix)			
2. <input checked="" type="checkbox"/> Specification [Total Pages 30] (preferred arrangement set forth below) <ul style="list-style-type: none"><li>- Descriptive title of the Invention</li><li>- Cross References to Related Applications</li><li>- Statement Regarding Fed sponsored R &amp; D</li><li>- Reference to Microfiche Appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul>		7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none"><li>a. <input type="checkbox"/> Computer Readable Copy</li><li>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</li><li>c. <input type="checkbox"/> Statement verifying identify of above copies</li></ul>			
3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets 12]		ACCOMPANYING APPLICATION PARTS			
4. Oath or Declaration [Total Pages 3] <ul style="list-style-type: none"><li>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</li><li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) [Note Box 5 below]<ul style="list-style-type: none"><li>i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li></ul></li></ul>		8. <input type="checkbox"/> Assignment Papers (as originally filed)			
5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked). The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.		9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee)			
		10. <input type="checkbox"/> English Translation Document (if applicable)			
		11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations			
		12. <input type="checkbox"/> Preliminary Amendment			
		13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)			
		14. <input type="checkbox"/> Small Entity Status is hereby declared.			
		15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)			
		16. <input type="checkbox"/> Other:			
14. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.:					
19. CORRESPONDENCE ADDRESS					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		 26753 PATENT-TRADEMARK OFFICE		<input type="checkbox"/> Correspondence address below	

CERTIFICATE OF EXPRESS MAIL

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*Barbara A. Johnson*  
Barbara A. Johnson

7/15/2003  
Date

07/15/03

17668 U.S. PTO

PTO/SB/17  
(10/97)

## FEE TRANSMITTAL

Approved for use through 9/30/98  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/17 (10/97)		COMPLETE IF KNOWN	
<b>FEE TRANSMITTAL</b>		Application Number	
		Filing Date	
		First Named Inventor	
		Group Art Unit	
Examiner Name		Attorney Docket Number	
Total Amount of Payment (\$)		750.00	
METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)	
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number <u>01.2000</u> Deposit Account Name <u>Andrus, Scealess, Starke &amp; Sawall, LLP</u> <input checked="" type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee set in 37 CFR 1.18 at the Mailing Of the Notice of Allowance, 37 CFR 1.311(b)		2. Additional Fees Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$) Fee Description Fee Paid	
3. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other		105 130 205 65 Surcharge-late filing fee or oath 127 50 227 25 Surcharge-late provisional filing fee or cover sheet 139 130 139 130 Non-English specification 147 2,520 147 2,520 For filing a request for reexamination 112 920* 112 920* Requesting publication of SIR prior to Examiner action 113 1,840* 113 1,840* Requesting publication of SIR after Examiner action 115 110 215 55 Extension for response within first month 116 400 216 200 Extension for response within second month 117 950 217 475 Extension for response within third month 118 1,510 218 755 Extension for response within fourth month 128 2,060 228 1,030 Extension for response within fifth month 119 310 219 155 Notice of appeal 120 310 220 155 Filing a brief in support of an appeal 121 270 221 135 Request for oral hearing 138 1,510 138 1,510 Petition to institute a public use proceeding 140 110 240 55 Petition to revive unavoidably abandoned application 141 1,320 241 660 Petition to revive unintentionally abandoned application 142 1,320 242 660 Utility issue fee (or reissue) 143 450 243 225 Design issue fee 144 670 244 335 Plant issue fee 122 130 122 130 Petitions to the Commissioner 123 50 123 50 Petitions related to provisional applications 126 240 126 240 Submission of Information Disclosure Statement 581 40 581 40 Recording each patent assignment per property (times number of properties) 146 790 246 395 Filing a submission after final rejection (37 CFR 1.129(a)) 149 790 249 395 For each additional invention to be examined (37 CFR 1.129(b))	
<b>FEE CALCULATION (fees effective 10/01/97)</b> 1. Filing Fee Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$)		101 750 201 375 Utility filing fee \$750 106 330 206 165 Design filing fee 107 480 207 240 Plant filing fee 108 690 208 345 Reissue filing fee 114 150 214 75 Provisional filing fee SUBTOTAL (1) (\$ 750.00)	
2. Claims Extra Fee from below Fee Paid Total claims 14-20= 0 X = Independent 2- 3= 0 X = Claims Multiple Dependent X = Claims Large Entity Small Entity Fee Fee Fee Fee Fee Description Code (\$) Code (\$)		103 18 203 9 Claims in excess of 20 102 78 202 39 Independent claims in excess of 3 104 270 204 135 Multiple dependent claim 109 82 209 41 Reissue independent claims over original patent 110 22 210 11 Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$ 0)	
SUBTOTAL (3) (\$ 0)		SUBTOTAL (3) (\$ 0)	
SUBMITTED BY Type or Printed name Joseph J. Jochman Signature <i>Joseph J. Jochman</i>		COMPLETE (if applicable) Registration Number 25,058 Date 7/15/2003 Deposit Account User ID	

\*Reduced by Basic Filing Fee Paid